

MARSHALL SALT STRUCTURE - KNOB STYLE BLOCK COST ANALYSIS

D209-027-RM October 16, 2008

FISCHER'S CONCRETE SERVICE (Marshall/Sedalia Plants)

Building Size: 50' X 80' = 4,000 Sq. Ft. (two 18' Doors in each End)

COST OF 30" X 30" X 60" INTERLOCKING BLOCKS (5' Lengths)

4,166	Block Weight (lbs.)	8.30	34,560	Blocks per trip (50-ton trailer/tractor weight 45,440 lbs. - 80,000 weight limit = 34,560 lbs. hauling capacity)
126	60" Blocks (3 High)	\$12,600.00	\$100.00	Ea. (D209-027-RM - Marshall Ready Mix was low bid) BLOCKS located only 1-1/2 miles from Marshall Lot.
18	30" Blocks (3 High)	\$900.00	\$50.00	Ea. (D209-027-RM - Marshall Ready Mix was low bid) BLOCKS located only 1-1/2 miles from Marshall Lot.
3	Miles Round Trip x 17 Trips (Marshall, MO)	51 miles	(8 Blocks	17 Trips) 17 trips x 1-1/2 hrs load/unload = 26 hrs + 2 hr driving
\$1.40	Truck Rental Rate Per Mile	\$71.40	51 miles	
	Fuel Cost (diesel):	\$38.25	(Miles / 5 mpg * \$3.75 per gal)	
	Employee Costs	\$892.80	Driver's Hauling Costs 4 Days	

Subtotal: \$14,502.45

LABOR COSTS

Labor Costs:	5 loads a day (17 trips) = 4 days
Maint. Crew Leader	\$576.00 (\$18.00 per hr @ 8 hrs/day x 4 days)
Benefits:	\$316.80 (55% of salary)
Subtotal:	\$892.80
Grade: 10	Title: Maintenance Crew Leader
\$2,859	Minimum Salary (\$16.49 an hour)
Estimate	Driver's Wage @ \$18.00 hr

Marshall Lot Rt. 2 Box 253, Marshall, MO 65340

Rt. 20 - 0.1 miles west of Rt. 65

TO

Marshall Ready Mix 1-1/2 Miles West of the Marshall Lot

ARNOLD READY MIX CORPORATION (Imperial, Mo.)

Building Size: 50' X 80' = 4,000 Sq. Ft. (two 18' Doors in each End)

COST OF 30" X 30" X 60" PRECAST BLOCKS (5' Lengths)

4,166	Block Weight (lbs.)	8.30	34,560	Blocks per trip (50-ton trailer/tractor weight 45,440 lbs. - 80,000 weight limit = 34,560 lbs. hauling capacity)
126	60" Blocks (3 High) Imperial, MO	\$4,410.00	\$35.00	Ea. (D209-027-RM located at Imperial, MO)
18	30" Blocks (3 High)	\$630.00	\$35.00	Ea. (D209-027-RM located at Imperial, MO)
380	Miles Round Trip x 17 Trips (Imperial, MO)	6,460	miles	(135/8 Blocks 17 Trips)
\$1.40	Truck Rental Rate Per Mile	\$9,044.00	6,460	miles
	Fuel Cost (diesel):	\$4,845.00	(Miles / 5 mpg * \$3.75 per gal)	
	Employee Costs	\$3,794.40	Driver's Hauling Costs 17 Days	
Subtotal:		\$22,723.40		

LABOR COSTS

Labor Costs:	1 load a day (17 trips) = 17 days
Maint. Crew Leader	\$2,448.00 (\$18.00 per hr @ 8 hrs/day x 17 days)
Benefits:	\$1,346.40 (55% of salary)
Subtotal:	\$3,794.40
Grade: 10	Title: Maintenance Crew Leader
\$2,859	Minimum Wage
\$16.49	an hour
Estimate Driver's Wages @	\$18.00 hr

Marshall Saline

Rt. 2 Box 253, Marshall, MO 65340

Rt. 20 - 0.1 miles west of Rt. 65

END 12: End at Imperial, MO 63052-2306, US

Total Est. Time: 3 hours, 6 minutes **Total Est. Distance:** 193.03 miles

6 hours 380 mile roundtrip
2 hours to load and unload (8) Blocks
8 hours per load
1 load a day (17 trips) = 17 days